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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) Eric T. BALDWIN et al.

Group Art Unit: 2621

Confirmation No.: 7868

Examiner: Unassigned

Filed: June 29, 2001

Docket No.: 6317.N

Title: CRYSTALLIZATION AND STRUCTURE OF *STAPHYLOCOCCUS AUREUS* PEPTIDE DEFORMYLASE**RECEIVED****JAN 30 2002****Technology Center 2600**Assistant Commissioner for Patents
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.
☐ A Petition for Extension of Time for ___ month(s) and a check in the amount of \$___ for the required fee.
☒ A Supplemental Information Disclosure Statement (2 pgs); 1449 forms (3 pgs); copy of 1 application; and copies of 25 documents cited on the 1449 forms.
☐ A check in the amount of \$___, for _____.
☐ A certified copy of a ___ application, Serial No. __, filed _____, the right of priority of which is claimed under 35 U.S.C. §119.
☐ Other:
☐ Amendment ___ No Additional fee is required. ___ The fee has been calculated as shown:

Fee Calculation for Claims Pending After Amendment					
	Pending Claims after Amendment (1)	Claims Paid for Earlier (2)	Number of Additional Claims (1-2)	Cost per Additional Claim	Additional Fees Required
Total Claims				x \$18 =	
Independent Claims				x \$84 =	
One or More New Multiple Dependent Claims Presented? If Yes, Add \$280 Here →					
Total Additional Claim Fees Required					

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

CERTIFICATE UNDER 37 C.F.R. §1.8: The undersigned hereby certifies that this Transmittal Letter and the paper(s), as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 3 day of January, 2002.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

By:

Name: Loren D. Albin

Reg. No.: 37,763

Direct Dial: 612-305-1225

Facsimile: 612-305-1228

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.8)



PATENT
Docket No. 6317.N

#5
JM
10/31/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Eric T. BALDWIN et al.)
Serial No.: 09/896,580)
Confirmation No.: 7868)
Filed: 29 June 2001)
For: CRYSTALLIZATION AND STRUCTURE OF STAPHYLOCOCCUS AUREUS
PEPTIDE DEFORMYLASE

Group Art Unit: 2621

Examiner: Unassigned

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

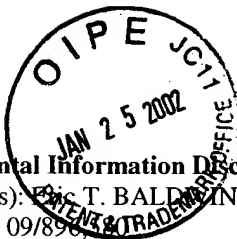
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the continuing duty of candor and good faith that is to be demonstrated before the United States Patent and Trademark Office (USPTO), enclosed are copies of documents which Applicants bring to the Examiner's attention as possibly being of interest in connection with the above-identified patent application. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of MPEP §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to U.S. Application Serial No. 09/895,951, entitled RECOMBINANT *S. AUREUS* PEPTIDE DEFORMYLASE, filed June 29, 2001, a copy of which is provided herewith.

It is believed that no fee is due, as this Supplemental Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.



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Supplemental Information Disclosure Statement

Applicant(s): Eric T. BALDWIN et al.

Serial No.: 09/896,343

Confirmation No.: 7868

Filed: 29 June 2001

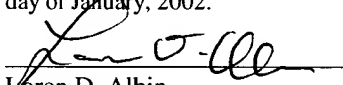
For: CRYSTALLIZATION AND STRUCTURE OF STAPHYLOCOCCUS AUREUS PEPTIDE DEFORMYLASE

When the Examiner takes up the present application, consideration of these documents is respectfully requested. The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

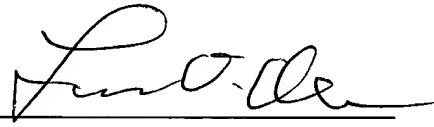
Respectfully submitted for

Eric T. Baldwin et al.

By
Mueting, Raasch & Gebhardt, P.A.
P.O. Box 581415
Minneapolis, MN 55458-1415
Telephone (612)305-1220
Facsimile (612)305-1228
Customer Number 26813

<p>CERTIFICATE UNDER 37 C.F.R. 1.8:</p> <p>The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this <u>3</u> day of January, 2002.</p> <p> Loren D. Albin</p>
--

January 3, 2002
Date

By: 
Loren D. Albin
Reg. No. 37,763
Direct Dial (612)305-1225

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 6317.N	Serial No.: 09/896,580
	Applicant(s): Eric T. BALDWIN et al.	Confirmation No.: 7868
	Filing Date: 29 June 2001	Group: 2621

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	NONE					

FOREIGN PATENT DOCUMENTS

Technology Center 2600

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
	0 879 879 A2	11/25/98	EPO			Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Document Description
	Becker et al., "Structure of Peptide Deformylase and Identification of the Substrate Binding Site," <i>The Journal of Biological Chemistry</i> , 273(19):11413-11416 (1998).
	Becker et al., "Iron center, substrate recognition and mechanism of peptide deformylase," <i>Nature Structural Biology</i> , 5(12):1053-1058 (1998).
	Brizzard et al., "Immunoaffinity Purification of FLAG [®] Epitope-Tagged Bacterial Alkaline Phosphatase Using a Novel Monoclonal Antibody and Peptide Elution," <i>BioTechniques</i> , 16(4):730-735 (1994).
	Chang et al., "Methionine Aminopeptidase Gene of <i>Escherichia coli</i> Is Essential for Cell Growth," <i>Journal of Bacteriology</i> , 171(7):4071-4072 (1989).
	Chen et al., "Mechanistic Studies on the Aminopeptidase from <i>Aeromonas proteolytica</i> : A Two-Metal Ion Mechanism for Peptide Hydrolysis," <i>Biochemistry</i> , 36(14):4278-4286 (1997).
	Chiang et al., "Expression and Purification of General Transcription Factors by FLAG Epitope-Tagging and Peptide Elution," <i>Peptide Research</i> , 6(2):62-64 (1993).
	Dardel et al., "Solution Structure of Nickel-peptide Deformylase," <i>Journal of Molecular Biology</i> , 280(3):501-513 (1998).
	Ford et al., "Fusion Tails for the Recovery and Purification of Recombinant Proteins," <i>Protein Expression and Purification</i> , 2:95-107 (1991).

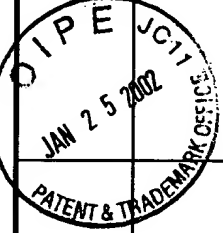
EXAMINER	Date Considered
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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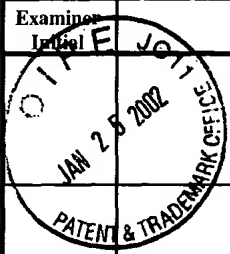
Technology Center 2600

Examiner Initial	Document Description
	Groche et al., "Isolation and Crystallization of Functionally Competent <i>Escherichia coli</i> Peptide Deformylase Forms Containing either Iron or Nickel in the Active Site," <i>Biochemical and Biophysical Research Communications</i> , 246(2):342-346 (1998).
	Hopp et al., "A Short Polypeptide Marker Sequence Useful for Recombinant Protein Identification and Purification," <i>Biotechnology</i> , 6(10):1204-1210 (1988).
	Hu et al., "H-Phosphonate Derivatives as Novel Peptide Deformylase Inhibitors," <i>Bioorganic & Medicinal Chemistry Letters</i> , 8:2479-2482 (1998).
	Hu et al., "Determination of Substrate Specificity for Peptide Deformylase through the Screening of a Combinatorial Peptide Library," <i>Biochemistry</i> , 38(2):643-650 (1999).
	Laemmli, "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4," <i>Nature</i> , 227(5259):680-685 (1970).
	Lazennec et al., "Formate Dehydrogenase-Coupled Spectrophotometric Assay of Peptide Deformylase," <i>Analytical Biochemistry</i> , 244:180-182 (1997).
	Meinzel et al., "Mapping of the Active Site Zinc Ligands of Peptide Deformylase," <i>Journal of Molecular Biology</i> , 254(2):175-183 (1995).
	Meinzel et al., "A New Subclass of the Zinc Metalloproteases Superfamily Revealed by the Solution Structure of Peptide Deformylase," <i>Journal of Molecular Biology</i> , 262(3):375-386 (1996).
	Meinzel et al., "Structure-Function Relationships within the Peptide Deformylase Family. Evidence for a Conserved Architecture of the Active Site Involving Three Conserved Motifs and a Metal Ion," <i>Journal of Molecular Biology</i> , 267(3):749-761 (1997).
	Meinzel et al., "Design and Synthesis of Substrate Analogue Inhibitors of Peptide Deformylase," <i>Biochemistry</i> , 38(14):4287-4295 (1999).
	Prescott et al., "Aeromonas Aminopeptidase," <i>Methods in Enzymology</i> , 45(Part B):530-543 (1976).
	QIAexpress® – The Complete System Ni-NTA Technology and the 6xHis Tag. Datasheet [online]. Qiagen [retrieved on 2001-11-06]. Retrieved from the Internet: <URL:www.qiagen.com/catalog/chapter_03/chap3.asp>, 3 pages.

EXAMINER	Date Considered
<p>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 6317.N	Serial No.: 09/896,580
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	Filing Date: 29 June 2001	Group: 2621

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Examiner Initial	Document Description
	QIAexpress® Expression System. Datasheet [online]. Qiagen [retrieved 2001-11-06]. Retrieved from the Internet: <URL:www.qiagen.com/catalog/chapter_03/chap3.asp>, 5 pages.
	QIAexpress® Protein Purification System. Datasheet [online]. Qiagen [retrieved on 2001-11-06]. Retrieved from the Internet: <URL:www.qiagen.com/catalog/chapter_03/chap3.asp>, 5 pages.
	Qiagen, <i>QIAexpress Detection and Assay Handbook</i> , pages 9-45, 52-76 (1999).
	Wei et al., "Continuous Spectrophotometric Assay of Peptide Deformylase," <i>Analytical Biochemistry</i> , 250:29-34 (1997).

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<p><small>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small></p>	